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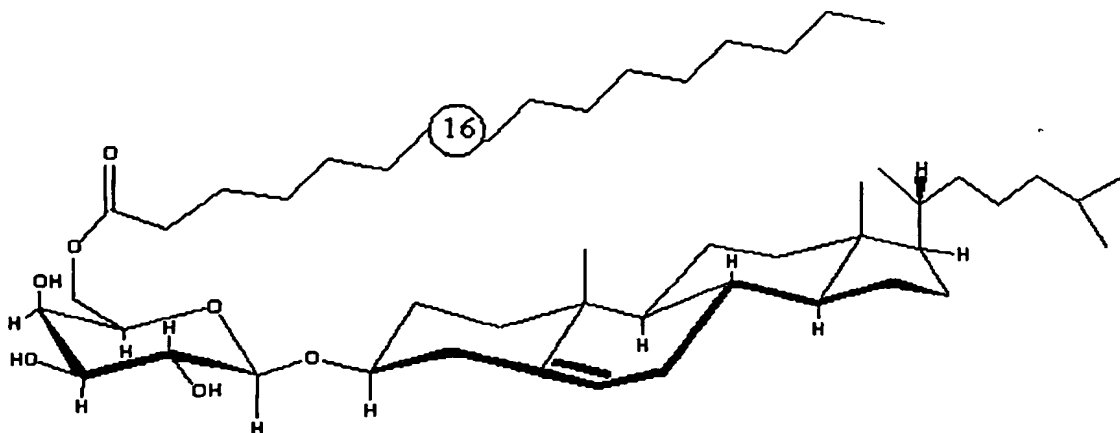
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Declaration under Rule 4.17:

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[Continued on next page]

(54) Title: **CHOLESTEROL-CONTAINING COMPOUNDS AND THEIR USE AS IMMUNOGENS AGAINST BORRELIA BURGDORFERI**



(57) Abstract: Unique compounds that can be used for inducing an immune response to *Borrelia burgdorferi* in a subject by administering a therapeutically effective amount of the glycolipid to the subject. Such administration is particularly useful for preventing or treating Lyme disease in a subject. The compound(s), and therapeutically acceptable salts thereof, may be formulated into pharmaceutical or immunogenic compositions.



**Published:**

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

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# INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 C07J9/00

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	GIL BEN-MENACHEM ET AL.: "A newly discovered cholesteryl galactoside from <i>Borrelia burgdorferi</i> " PNAS, vol. 100, no. 13, 2003, pages 7913-7918, XP002300283 the whole document	1-31
P,X	N.W.J.SCHRÖDER ET AL.: "Acylated Cholesteryl Galactoside as a Novel Immunogenic Motif in <i>Borrelia burgdorferi</i> Sensu Stricto" J.BIOL.CHEM., vol. 278, no. 36, 2003, pages 33645-33653, XP002300284 the whole document	1-31
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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"&" document member of the same patent family

Date of the actual completion of the international search

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 189 471 A (PONPIPOM MITREE M ET AL) 19 February 1980 (1980-02-19) claim 1; example 5 -----	1-31
A	US 4 229 441 A (PONPIPOM MITREE M ET AL) 21 October 1980 (1980-10-21) claim 1 -----	1-31
A	EP 0 023 865 A (MERCK & CO INC) 11 February 1981 (1981-02-11) claim 5 -----	1-31

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information on patent family members

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